



Press Information

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Fuel, Interest, Depreciation Drop...

1983 SPENDING TO OWN, RUN VEHICLES
TOPS \$674 BILLION, BUT PER-MILE
COSTS PLUNGE AS CARS GROW OLDER

Although U.S. motorists traveled more in 1983, the nation's spending to own and run cars and trucks advanced just 1.4% to \$674.6 billion — the smallest yearly rise since 1972 — and per-mile costs fell 3.5%. The Hertz Corporation's new annual estimate of motor vehicle outlays showed today.

For passenger cars, expenditures declined 2.5% to \$341.8 billion from \$350.7 billion in 1982 to mark the first peacetime drop in America's payments to own and run autos. Normally, both inflation and increases in the number of cars on the road tend to boost total outlays each year.

Average cost to drive individual cars — old, young, new, used, large and small — plunged a record \$103 or 3.6% to \$2744 per-unit last year, according to the lease-rental company's new yearly study. This equals 33c a mile for the estimated 8,317 miles the average auto travelled last year.

The 1983 per-mile figure is down 6.8% from 35.42c, or \$2847, for the slightly-lower average of 8,037 miles run in '82, the firm's report pointed out.

(more)

Reduced gasoline prices, improved fuel efficiency, lower interest rates and smaller depreciation — a vehicle's value loss, which usually drops as the car ages — accounted for \$185 in 1983's sharp decline, the Hertz report noted.

These savings more than offset an \$82 rise in car maintenance, insurance, license and fee outlays. The cent-per-mile falloff was greater than the dollar-per-year drop because 1983 mileage averaged 3.5% above 1982.

'Reduced Standard Of Driving'

"By keeping cars longer, driving them less and selecting smaller, less-expensive models with fewer options, U.S. motorists are now bringing their driving expenses back in line with their incomes," Hertz Chairman Frank A. Olson commented. "But, these changes amount to a markedly-reduced standard of driving for most Americans."

Since 1972, average yearly per-unit passenger car ownership and operating costs have climbed 118% — versus a 126% advance in inflation and a 156% surge in typical family income.

Average new car purchase price increases, however, remain above both family income and inflation advances of the past decade, the study warned:

...total 1983 NEW car purchases of 8.9 million aggregated \$81.9 billion last year, \$9179 per auto, up from \$8866, or \$68.8 billion, for 7.8 million bought in 1982, a 19% advance;

...this latest \$313, 3.5% sticker surge, brings the 11-year rise 170% over the \$3404 average purchase price for a typical 1972 model;

...in addition, for COMPARABLY-EQUIPPED "intermediate" sized units, the increase — from \$3425 in 1972 to \$9770 in 1983 — is 185%. Too, even these similar intermediates today are 600 pounds lighter and a foot shorter than 11 years ago.

(more)

In 1972, last full year before the first oil embargo, average ownership and operating expenses amounted to \$1256, or 12.1c a mile for 10,362 miles travelled, the new Hertz study notes.

Car Age Up Again, Depreciation Down

The average age of cars on U.S. roads rose again in 1983 — for the 14th consecutive year — to 7.4 years from 7.2 in 1982 (and 5.5 in 1969). Vehicle age is higher than any time since immediately after World War II when Detroit was forced to curtail auto output.

Because of this further age increase last year, depreciation costs sagged sharply ... since depreciation is higher in a vehicle's early year, lower later ... to 5.28c a mile or \$439 a year from 7.43c and \$597, a fall of 26%.

For the estimated 124.5 million cars on the road total 1983 depreciation amounted to \$54.7 billion, against \$73.5 billion for 123.2 million units in '82.

The Hertz vehicle spending study calculates vehicle depreciation rather than purchase prices since depreciation continues even if a new car is not acquired in a particular year.

Interest, Fuel Also Down

Total 1983 passenger car fuel cost was down \$1.1 billion to \$80.1 billion, a \$17 per unit, 2.6% drop from \$660 to \$643, or from 8.2c a mile to 7.3c, due mainly to a 3.3c a gallon decline in gasoline prices.

Despite the average 280-mile travel increase last year, estimated per-car fuel consumption climbed just one gallon to 535 because of improved fuel efficiency of new units.

Interest costs also fell — from \$357 a year or 4.44c a mile in '82 to \$347 or 4.17c in '83, a 2.8% decline, dropping the aggregate to \$43.2 billion from \$44.0 billion.

Repair, Insurance, Fees Up

On the other hand, the nation's older, higher-mileage car fleet contributed to a 10.4% rise in maintenance, repairs and miscellaneous outlays. These climbed from \$701 per auto or 8.7c a mile in 1982 to \$774 or 9.31c in '83. The 1983 total came to \$96.4 billion vs. \$86.4 billion in 1982.

The classification of insurance, licenses and fees came to \$67.5 billion, \$542 a unit, or 6.52c a mile. The annual outlay was up 1.9% from the 1982 total of \$65.1 billion, \$532 a car or 6.62c a mile.

Truck Costs Continue Advance

For trucks, 1983's total was \$332.8 billion, 5.9% above \$314.4 billion the year before. Per-unit truck expenses advanced 2.7% to \$8726 in '83 from \$8500 in '82. As a result of a mileage hike from 10,760 to 11,092, per-mile truck expenses edged down from 79c a mile to 78.67c.

This year's \$674.6 billion in total outlays for all highway motor vehicles comes to 21.3% of the nation's gross national product against 21.5% in '82. Passenger car spending amounted to 12.7% of '83 personal income against 13.8% the year before and versus a high of 14.8% in 1980.

The aggregate increase in motor vehicle spending reflects the fact that the number of cars on the road rose from an estimated 123.2 million in 1982 to 124.5 million in 1983 while trucks climbed from 37 million units to 38.1 million. The nation's projected population inched up from a projected 211.5 million to 232.2 million.

Driving Less Saves

The Hertz estimates stress per-unit DOLLAR-per-year costs because annual mileage changes by motorists can alter PER-MILE expenses sharply, notes Hertz Executive V.P. Craig R. Koch.

For such fixed annual outlays as licenses, fees, insurance and interest charges, driving less each year raises PER-MILE outlays. But driving less usually lengthens car life — plus saves fuel, oil, tire, battery and repair charges, lowering the key yearly overall DOLLAR cost.

At equal annual 8,317 mileage, for example, a 1983 compact-sized model bought new and kept just ONE year would cost \$4777, according to the lease-rental company's report, or 57.44c a mile. For 5,000 miles of yearly driving, PER-MILE expense would rise to 89.21c, but ANNUAL costs would total only \$4465. For 20,000 miles of annual travel, per-mile costs drop to 31.19c, but dollar spending climbs to \$6236.

Keeping the same compact 10 years, rather than one, reduces both annual dollars outlays AND per-mile expenses. At the typical 8,317 miles a year driving, per-mile costs shrink to 37.21c a mile from the 57.44c annual trading costs; and, yearly outlays fall from \$4777 to \$3094, a 35% saving.

Overall car mileage has dropped 20% since its 1972 high of 10,362 per year. However, in the prior 11 years, the country's population growth spurred a 29% rise in the number of cars on the road — producing an aggregate passenger car mileage rise of 3.3%.

Per-unit truck mileage dropped 9.7% in the past decade, but a 76% surge in trucks in service to 1983's 38.1 million units brought overall commercial-vehicle mileage up 60% for a 15% rise in TOTAL vehicle miles.

Changes Since 1950 Are Marked

In 1950, according to Hertz' data, motorists spent just \$40.6 billion to run 49.2 million cars and trucks 458 billion miles, with passenger car costs then \$724 or 8c a mile for 9,032 miles. By 1972, overall expenditures were \$187 billion for 118.5 million units logging 1.268 trillion miles.

In the 33-year period, interest expenses shot up 680% from \$51. Sticker prices are up 470% from \$1612. Maintenance, repairs and miscellaneous expenses are ahead 280% from \$200 a year. Fuel costs climbed 285% from \$167.

Highway fuel consumption in 1950 totalled just 35.5 billion gallons, 25.2 billion for cars, 10.3 billion for trucks. Per car thirst was 626 gallons for 9032 annual miles of travel. But, per-person, passenger car fuel use was just 168 gallons, versus 287 last year.

Motor vehicle fuel use apparently peaked in 1978 at 116 billion gallons — 772 per vehicle, 654 per car, the Hertz study noted.

Hertz and its worldwide system members have fleets totalling more than 350,000 lease-rental vehicles. The estimates in the company's annual studies are based on its experience and nationwide sample polls, plus projections using public and industry registration and mileage statistics.

The company regularly publishes NEW car ownership and operating expense estimates, with breakouts of 20-city cost variations, plus studies on USED car market size and used car ownership and operating costs, together with estimates of the size of the lease-rental and "fleet" vehicle business and a guides to calculating ownership and operating expenses and car leasing and renting. These are free to persons writing for them.

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VEHICLE OPERATING COSTS & FUEL USAGE KEY YEAR SUMMARIES Table IA 7/83

Years Descriptions	Vehicles	1950			1972*		
		Cars	Trucks	Total	Cars	Trucks	Total
Overall Operating Costs (B\$)		29.2	11.4	40.6	121.6	65.4	187.0
-Per Unit (\$)		724	1294	825	1256	3029	1579
-Per Mile (¢)		0.0800	0.1211	0.0884	0.1210	0.2469	0.1473
-Per Capita (\$)		194	76	269	586	315	901
Depreciation Cost-Total (E\$)		6.5	3.2	9.7	33.0	19.6	52.6
-Per Unit (\$)		163	363	197	341	907	444
-Per Mile (¢)		0.0178	0.0340	0.0211	0.0329	0.0740	0.0414
-Per Capita (\$)		43	21	64	159	94	253
Fuel Cost Total (B\$)		6.8	2.8	9.5	25.3	10.6	35.9
-Per Unit (\$)		167	318	193	261	491	303
-Per Mile (¢)		0.0185	0.0298	0.0207	0.0252	0.0400	0.0283
-Per Capita (\$)		45	19	63	122	51	173
Other Costs Total (B\$)		15.9	5.4	21.4	63.3	35.2	98.5
-Per Unit (\$)		395	614	435	654	1630	831
-Per Mile (¢)		0.0437	0.0574	0.0466	0.0631	0.1328	0.0776
-Per Unit Analysis (\$)							
(Lic., Fees, Ins.)		145	261	165	248	617	315
(Interest)		51	92	58	111	283	142
(Repairs, Misc.)		200	261	212	296	728	374
New Veh. Purch.Pr.-Tot.(B\$)		10.2	2.0	12.2	35.4	11.4	46.8
-Per Unit (\$)		1612	1846	1627	3404	4542	3628
New Vehs.Registered (Mils.)		6.3	1.1	7.5	10.4	2.5	12.9
Tot. Vehs. On Road (Mils.)		40.3	8.8	49.2	96.8	21.6	118.5
Miles Traveled Per Vehicle		9032	10682	9328	10362	12269	10718
Tot.Veh.Miles Trvld.(Bils.)		364	94	458	1003	265	1268
Veh.Miles Trvld. Per Capita		2415	624	3039	4834	1277	6111
Fuel Used Tot.(Bil.of Gals.)		25.2	10.3	35.5	70.0	29.5	99.5
Fuel Used Per Veh. (Gals.)		626	1170	722	722	1365	840
Fuel Used Per Capita (Gals.)		168	68	236	337	143	480
Fuel Avg. MPG Per Unit		14.4	9.1	12.9	14.3	9.0	12.9
Fuel Cost Per Gallon (\$)				0.268			0.361
Personal Income Total (B\$)				227.6			939.1
Gross National Product (B\$)				286.2			1171.1
Consumer Price Index				72.1			125.3
Population Estimate (Mils.)				150.7			207.5

* Last Full Year Before
First Arab Oil Embargo

(slight variations owing to rounding)

VEHICLE OPERATING COSTS & FUEL USAGE KEY YEAR SUMMARIES Table IC 7/84

Years Descriptions	Vehicles	1980			1981		
		Cars	Trucks	Total	Cars	Trucks	Total
Overall Operating Costs (B\$)		317.0	284.8	601.8	340.4	302.1	642.5
-Per Unit (\$)		2631	8067	3863	2790	8368	4064
-Per Mile (c)		0.3109	0.7377	0.4370	0.3453	0.7889	0.4693
-Per Capita (\$)		1400	1257	2657	1486	1319	2804
Depreciation Cost-Total (B\$)		75.4	66.0	141.4	73.7	65.3	139.0
-Per Unit (\$)		626	1870	908	604	1810	879
-Per Mile (c)		0.0761	0.1710	0.1027	0.0747	0.1706	0.1015
-Per Capita (\$)		333	291	624	322	285	607
Fuel Cost Total (B\$)		85.5	47.4	132.9	89.3	51.5	140.8
-Per Unit (\$)		710	1342	853	732	1427	891
-Per Mile (c)		0.0863	0.1227	0.0965	0.0906	0.1345	0.1028
-Per Capita (\$)		377	209	587	390	225	615
Other Costs Total (B\$)		156.2	171.4	327.6	177.4	185.3	362.7
-Per Unit (\$)		1296	4855	2103	1454	5133	2294
-Per Mile (c)		0.1576	0.4440	0.2379	0.1799	0.4838	0.2649
-Per Unit Analysis (\$)							
(Lic., Fees, Ins.)		484	1998	827	512	2033	857
(Interest)		291	1009	454	349	1159	534
(Repairs, Misc.)		521	1848	822	593	1951	903
New Veh. Purch.Pr.-Tot.(B\$)		58.3	25.3	83.6	67.3	25.6	92.9
-Per Unit (\$)		6649	10200	7435	7967	11725	8739
New Vehs.Registered (Mils.)		8.8	2.5	11.2	8.4	2.2	10.6
Tot. Vehs. On Road (Mils.)		120.5	35.3	155.8	122.0	36.1	158.1
Miles Traveled Per Vehicle		8224	10935	8838	8081	10609	8659
Tot.Veh.Miles Trvld.(Bils.)		991	386	1377	986	383	1369
Veh.Miles Trvld. Per Capita		4375	1704	6079	4304	1672	5970
Fuel Used Tot.(Bil.of Gals.)		68.3	40.1	108.4	66.6	39.1	105.7
Fuel Used Per Veh. (Gals.)		567	1136	696	546	1083	669
Fuel Used Per Capita (Gals.)		302	177	479	391	171	461
Fuel Avg. MPG Per Unit		14.5	9.6	12.7	14.8	9.8	13.0
Fuel Cost Per Gallon (\$)				1.226			1.332
Personal Income Total (B\$)				2143.0			2378.0
Gross National Product (B\$)				2601.0			2844.0
Consumer Price Index				236.4			259.6
Population Estimate (Mils.)				226.5			229.1

(slight variations owing to rounding)

VEHICLE OPERATING COSTS & FUEL USAGE KEY YEAR SUMMARIES Table IB 6/84
(continued)

Years Descriptions	Vehicles	1982			1983		
		Cars	Trucks	Total	Cars	Trucks	Total
Overall Operating Costs (B\$)		350.7	314.4	665.1	341.8	332.8	674.6
-Per Unit (\$)		2847	8500	4152	2744	8726	4147
-Per Mile (¢)		0.3542	0.7900	0.4792	0.3300	0.7867	0.4624
-Per Capita (\$)		1515	1358	2873	1472	1433	2905
Depreciation Cost-Total (B\$)		73.5	62.5	136.0	54.7	58.0	112.7
-Per Unit (\$)		597	1689	849	439	1520	693
-Per Mile (¢)		0.0743	0.1570	0.0980	0.0528	0.1370	0.0772
-Per Capita (\$)		318	270	588	248	250	485
Fuel Cost Total (B\$)		81.2	48.9	130.2	80.1	49.9	129.9
-Per Unit (\$)		660	1323	813	643	1308	799
-Per Mile (¢)		0.0821	0.1229	0.0938	0.0773	0.1179	0.0891
-Per Capita (\$)		351	211	562	345	215	560
Other Costs Total (B\$)		195.9	203.0	398.9	204.8	218.2	422.9
-Per Unit (\$)		1590	5489	2490	1662	5898	2640
-Per Mile (¢)		0.1979	0.5101	0.2874	0.2068	0.5482	0.3047
-Per Unit Analysis (\$)							
(Lic., Fees, Ins.)		532	2102	895	542	2237	939
(Interest)		357	1150	540	347	1070	516
(Repairs, Misc.)		701	2237	1056	774	2591	1200
New Veh. Purch.Pr.-Tot.(B\$)		68.8	31.9	100.7	81.9	42.5	124.4
-Per Unit (\$)		8866	13133	9884	9179	14273	10453
New Vehs.Registered (Mils.)		7.8	2.4	10.2	8.9	3.0	11.9
Tot. Vehs. On Road (Mils.)		123.2	37.0	160.2	124.5	38.1	262.7
Miles Traveled Per Vehicle		8037	10760	8666	8317	11092	8967
Tot.Veh.Miles Trvld.(Bils.)		990	398	1388	1036	423	1459
Veh.Miles Trvld. Per Capita		4277	1719	5996	4460	1822	6282
Fuel Used Tot.(Bil.of Gals.)		65.8	40.4	106.1	66.6	41.6	108.2
Fuel Used Per Veh. (Gals.)		534	1091	663	535	1092	665
Fuel Used Per Capita (Gals.)		284	174	459	287	183	536
Fuel Avg. MPG Per Unit		15.1	9.9	13.1	15.6	10.2	13.5
Fuel Cost Per Gallon (\$)		1.235	1.212	1.226	1.202	1.198	1.200
Personal Income Total (B\$)				2548.0			2689.0
Gross National Product (B\$)				3094.0			3171.8
Consumer Price Index				287.1			296.1
Population Estimate (Mils.)				231.5			232.2

* Slight variations owing to rounding.

Table II

Hertz Estimates

7/84

AVERAGE MOTOR VEHICLE OWNERSHIP & OPERATING EXPENSES BY YEARS
(figures are for both units bought new and those bought used)

YEAR	Passenger Cars					Trucks				
	\$ Per Unit	Miles Per Year	¢ Per Mile	Units On Road (Mls.)	Total Spent Bils.\$	\$ Per Unit	Miles Per Year	¢ Per Mile	Units On Road (Mls.)	Total Spent Bils.\$
1950	724	9032	8.0	40.3	29.2	1924	10682	12.10	8.80	11.40
1960	933	9545	9.8	61.6	57.4	1995	10738	18.60	12.20	24.30
1970	1220	10090	12.1	89.3	108.9	2664	11518	23.10	19.10	50.90
1971	1220	10280	11.9	92.8	113.2	2755	11485	24.00	20.20	55.70
1972	1256	10362	12.1	96.8	121.6	3029	12269	24.70	21.60	65.40
1973	1288	9597	13.4	101.8	131.1	3112	10970	28.40	23.70	73.80
1974	1493	8732	17.1	104.9	156.6	4127	10960	37.70	25.00	103.20
1975	1682	8901	18.9	107.4	180.6	4074	10227	39.80	26.40	107.60
1976	1812	9015	20.1	109.7	198.8	4594	10942	42.00	27.60	126.10
1977	1913	9199	20.8	114.1	218.4	5310	11379	46.70	29.70	157.70
1978	2092	9165	22.8	118.6	248.1	6176	11428	54.00	31.50	194.50
1979	2352	8850	26.6	119.1	280.1	6978	10943	63.80	33.90	236.60
1980	2631	8224	32.0	120.5	317.0	8087	10935	73.80	35.30	284.80
1981	2790	8081	34.5	122.0	340.4	8368	10609	78.90	36.10	302.10
1982	2847	8037	35.4	123.2	350.7	8500	10760	79.00	37.00	314.40
1983	2744	8317	33.0	124.5	341.8	8726	11092	78.67	38.10	332.80

Total Both

	\$ Per Unit	Miles Per Year	¢ Per Mile	Units On Road (Mls.)	Total Spent Bils.\$
1950	825	9328	8.8	49.2	40.6
1960	1107	9742	11.4	73.8	81.7
1970	1475	10341	14.3	108.4	159.8
1971	1495	10496	14.2	113.0	168.9
1972	1579	10718	14.7	118.5	187.0
1973	1632	9857	16.6	125.4	204.8
1974	2000	9160	21.8	129.9	259.8
1975	2157	9170	23.5	133.7	288.2
1976	2366	9403	25.2	137.3	324.9
1977	2615	9649	27.1	143.8	376.1
1978	2949	9640	30.7	150.1	442.6
1979	3377	9314	36.3	153.0	516.7
1980	3863	8838	43.7	155.8	601.8
1981	4064	8659	46.9	158.1	642.5
1982	4152	8666	47.9	160.2	665.1
1983	4147	8967	46.2	162.7	674.6

Passenger Car
Changes Since 1972

PERCENTAGES	
Miles A Year	Cents A Mile
MINUS	PLUS
0.07	0.11
0.16	0.41
0.14	0.56
0.13	0.66
0.11	0.72
0.12	0.88
0.15	1.20
0.21	1.64
0.22	1.85
0.22	1.93
0.13	1.46

(slight variations owing to rounding)

Table III MILEAGE TRAVELLED & FUEL USED BY PURPOSE & VEHICLE TYPE

7/84

Hertz Estimates

<-----NON-PLEASURE TRAVEL-----> <---PLEASURE--->
 <...TRUCK.....> <.....PASSENGER CAR.....>

YEAR	Business Travel		Essential Family Use		Commutation		Pleasure Usage	
	Miles (Bls.)	Fuel Use (Bls. Gals.)	Mil (Bl (Bls. Gals.)	Fuel Use (Bls. Gals.)	Miles (Bls.)	Fuel Use (Bls. Gals.)	Miles (Bls.)	Fuel Use (Bls. Gals.)
1950	94.0	10.30	62.3	14.33	207.0	14.38	102.0	7.06
1960	131.0	16.70	100.6	7.03	334.0	23.36	170.0	11.87
1970	220.0	26.50	159.8	11.66	508.0	37.08	268.0	19.53
1971	232.0	28.00	164.6	12.01	549.0	40.07	287.0	20.98
1972	265.0	29.50	167.0	11.68	573.0	40.07	303.0	21.20
1973	260.0	30.40	157.4	12.11	561.0	43.15	297.0	22.88
1974	274.0	29.90	143.9	11.51	529.0	42.32	281.0	22.46
1975	270.0	29.70	148.2	11.31	553.0	42.21	294.0	22.42
1976	302.0	33.10	154.7	10.67	572.0	43.01	303.0	22.82
1977	338.0	36.70	161.1	10.39	630.0	45.99	323.0	23.58
1978	360.0	38.30	171.1	10.06	652.0	46.57	334.0	23.89
1979	371.0	38.60	166.7	9.26	658.0	45.89	324.0	22.70
1980	386.0	40.10	152.5	8.03	637.0	44.44	315.0	21.94
1981	383.0	39.10	150.9	7.82	636.0	43.47	314.0	21.42
1982	398.0	40.40	151.7	7.40	639.0	43.32	316.0	21.41
1983	423.1	41.64	191.4	8.95	582.1	38.50	360.2	23.82

SUB-TOTAL
CARS
Miles Fuel
(Mls.) Use
(Bls.
Gals.)

NON-PLEASURE
SUB-TOTAL
(CAR & TRUCK)
Miles Fuel
(Bls.) Use
(Bls.Gls.)

TOTALS
CARS & TRUCKS
Miles Fuel
(Bls.) Use
(Bls.
Gals.)

1950	364.0	25.10	363.0	29.01	458.0	35.50
1960	588.0	41.10	566.0	47.09	719.0	57.90
1970	901.0	65.77	888.0	75.24	1121.0	92.30
1971	954.0	69.50	945.0	80.80	1186.0	97.50
1972	1003.0	70.14	1005.0	81.25	1268.0	99.50
1973	977.0	74.90	978.0	85.66	1237.0	105.30
1974	916.0	73.28	946.0	83.73	1190.0	103.20
1975	956.0	73.14	972.0	83.22	1226.0	102.90
1976	988.9	74.33	1029.0	86.78	1291.0	107.50
1977	1049.6	76.61	1129.0	93.08	1387.0	113.30
1978	1087.0	77.64	1183.0	94.93	1447.0	115.90
1979	1054.0	73.20	1196.0	93.75	1425.0	111.80
1980	991.0	68.32	1179.0	92.57	1377.0	108.40
1981	985.9	66.61	1170.0	90.38	1369.0	105.70
1982	990.0	65.80	1189.0	91.11	1388.0	106.10
1983	1035.7	66.60	1196.6	88.30	1458.8	108.20

+Essential family use includes commutation; some commutation by truck is included in truck mileage.

TABLE IV-A

HERTZ ESTIMATES OF 1983 NEW CAR OWNERSHIP & OPERATING COSTS

7/84

Years Use	<-SUB-COMPACT-> 'COMPACT'					INTER- MEDIATE	STAN- DARD
	<-At Constant Annual Mileages->					10000	10000
	10000	5000	8317	10000	20000	10000	10000
1	0.3982	0.8929	0.5744	0.5047	0.3119	0.5783	0.6558
2	0.3874	0.8586	0.5582	0.4888	0.3053	0.5604	0.6329
3	0.3705	0.8079	0.5345	0.4658	0.2973	0.5338	0.6007
4	0.3567	0.7723	0.5114	0.4470	0.2893	0.5120	0.5742
5	0.3463	0.7391	0.4938	0.4328	0.2835	0.4956	0.5542
6	0.3219	0.6721	0.4521	0.4005	No Data	0.4586	0.5104
7	0.3041	0.6226	0.4248	0.3770	Over	0.4316	0.4786
8	0.2910	0.5879	0.4048	0.3597	100,000	0.4117	0.4552
9	0.2796	0.5553	0.3865	0.3447	Miles	0.3945	0.4347
10	0.2708	0.5316	0.3721	0.3329	—	0.3810	0.4187

HISTORICAL COMPARISONS OF NEW 'INTERMEDIATE' SIZE CAR

Year	At Estimated Varying Mileage Averages Each Year				@Constant 3-Yr. Use		
	3-Year	3-Year	10-Year	10-Year	10000 Miles	10000 MPY	
	Average Use	Average Use	Average Use	Average Use	A Yr. Avg.	In CONST.	
	Annual Mileage	Cents-Per-Mile	Annual Mileage	Cents-Per-Mile	3-Yr. Use**	10-Yr. Use	(1983) \$
1925E	5835	0.1690	Not Available		0.1150	N/A	0.6486
1950	12771	0.0930	9032	0.0800	0.1090	0.0770	0.4476
1960	13497	0.1220	9545	0.0980	0.1440	0.0950	0.4807
1970	14267	0.1470	10090	0.1210	0.1900	0.1220	0.4837
1971	14567	0.1430	10280	0.1190	0.1870	0.1210	0.4565
1972	14652	0.1510	10362	0.1210	0.1970	0.1240	0.4655
1973	13570	0.1620	9597	0.1340	0.2020	0.1310	0.4494
1974	12300	0.2070	8732	0.1710	0.2380	0.1590	0.4771
1975	12561	0.2320	8901	0.1890	0.2720	0.1770	0.5327
1976	11885	0.2480	9015	0.2010	0.2810	0.1790	0.4886
1977	12127	0.2620	9199	0.2080	0.3010	0.2000	0.4911
1978	12082	0.2910	9165	0.2310	0.3310	0.2200	0.5018
1979	11666	0.3400	8850	0.2870	0.3800	0.2640	0.5180
1980	10841	0.4150	8224	0.3450	0.4400	0.3100	0.5511
1981	10652	0.4860	8081	0.4080	0.5090	0.3590	0.5806
1982	10594	0.5168	8037	0.4370	0.5400	0.3831	0.5569
1983	10963	0.4986	8317	0.4247	0.5338	0.3810	0.5338

TABLE IV-B

The Hertz Corp.
7/84HERTZ ESTIMATES OF 1983 MODEL NEW
PASSENGER CAR OWNERSHIP & OPERATING COSTS

<—————'COMPACT' MODEL—————>					
8,317					
At CONSTANT			At DECLINING Annual		
Years Used	<- 8317 M.P.Y.->		<-Miles AVERAGING 8317—>		
			Over 10-Yr.Period		
	C.P.M.	\$ P.Y.	M.P.Y.	C.P.M.	\$ P.Y.
1	0.5744	4777.33	12,651	0.4210	5326.45
2	0.5582	4642.53	11,695	0.4342	5078.26
3	0.5345	4445.73	10,963	0.4350	4768.69
4	0.5114	4253.45	10,266	0.4385	4501.23
5	0.4938	4107.13	9,838	0.4356	4285.03
6	0.4521	3760.51	9,550	0.4112	3927.41
7	0.4248	3532.68	9,317	0.3943	3674.15
8	0.4048	3366.75	9,059	0.3829	3468.54
9	0.3865	3214.29	8,749	0.3735	3267.42
10	0.3721	3094.43	8,317	0.3721	3094.43

NOTE: Above Costs Are AVERAGES For Varying Use/Mileage Periods;
those below are for each INDIVIDUAL year.

CURRENT 1983 DATA 'COMPACT' CAR EXPENSES

YEARLY Costs & Mileages for Various Ownership Periods (Not AVERAGES for ALL Years As Listed Above.)					
8,317					
Year of Use	At CONSTANT		At Listed DECLINING		
	8317 YEARLY		YEARLY Mileages		
	Mileages		AVERAGING 8317 M.P.Y.		
	C.P.M.	\$ P.Y.	M.P.Y.	C.P.M.	\$ P.Y.
1	0.5744	4777.28	12,651	0.4210	5326.58
2	0.5420	4507.81	10,739	0.4498	4830.40
3	0.4872	4052.04	9,499	0.4368	4149.16
4	0.4421	3676.95	8,175	0.4524	3698.37
5	0.4235	3522.25	8,126	0.4209	3420.23
6	0.2438	2027.68	8,110	0.2638	2139.42
7	0.2604	2165.75	7,919	0.2721	2154.76
8	0.2651	2204.84	7,253	0.2798	2029.39
9	0.2398	1994.42	6,269	0.2645	1658.15
10	0.2424	2016.04	4,429	0.3471	1537.31
Tot.	0.3721	3094.51	8,317	0.3721	3094.38

Slight variations owing to rounding.

B4500-6-4

Hertz

Press Information

The Hertz Corporation
660 Madison Avenue
New York, New York 10021

FOR RELEASE: A.M.s of Mon., Aug. 12, 1985

Contact: Leigh Smith (212)980-2353

Purchase Prices Up, Fuel & Interest Drop...

NATION'S '84 SPENDING TO OWN, RUN MOTOR VEHICLES
UP 4.6% TO \$705 BILLION; PER-AUTO RISE JUST \$69,
PER-MILE COSTS FALL 1/4¢; UNITS, MILEAGE CLIMB

Americans drove a record 1.526 trillion miles in 1984, boosting the nation's yearly spending to own and run cars and trucks 4.6% to \$705.4 billion, but passenger car annual outlays rose just \$69 —2.5% — to \$2814 and their per-mile costs fell 1/4¢ to 32.78¢, The Hertz Corporation's new annual estimate of U.S. motor vehicle outlays showed today.

The number of passenger cars on the road was up 1% to 125.7 million, per-car mileage was ahead 3.2% to 8,586 and overall auto expenditures climbed 3.5% to \$353.9 billion in 1984 from \$341.8 billion in '83, according to the lease-rental company's latest yearly study.

Reduced gasoline prices, improved fuel efficiency and lower interest saved drivers \$80, but higher insurance, repair and depreciation charges added \$149 to the per-year auto outlays for the \$69 net rise, Hertz said.

Average-per-mile cost to drive individual cars — young, old, new, used, large and small — sagged just 7/10th of a percent from 33¢ in '83 primarily because of the per-auto mileage climb, which was up for the second straight year: from 1982's 60-year 8,037 peacetime low and '83's 8,317.

Earlier, (2/18/85) Hertz estimated costs of typical 1984 compacts purchased new at 45.67¢ a mile and said costs of typical cars bought used last year were 23.22¢ (6/24/85). Both numbers reflected changes of less than a cent a mile.

(more)

Only during World War II was mileage less than in recent years, the Hertz report noted. It reached a per-vehicle high of 10,362 in 1972, the last full year before the first Arab oil embargo.

By contrast, the company said the average age of autos on U.S. roads climbed again, for the 15th straight year, to 7.6 years from 7.4 in '83 and 5.5 in '69. Cars today are older than at any time since the early 1950s following World War II, when Detroit did not sell autos.

'Reduced Standard Of Driving'

"By keeping cars longer, driving them less and selecting smaller models with fewer options over the past dozen years, U.S. motorists have brought their driving expenses into line with their expanding incomes," Hertz Chairman Frank A. Olson commented. "But, changes since 1972 amount to a markedly-reduced standard of driving for most Americans."

Since that last full year before the first Arab oil embargo, average yearly per-unit passenger car ownership and operating costs have climbed 124% — versus a 148% advance in inflation and a 181% surge in typical family income. However, the average new car purchase price increase of 184% remains above both family income rises and inflation. For comparable autos, purchase prices are up 195% and owning and running comparable cars has soared 209%, the Hertz study shows:—

...in 1972, average ownership and operating expenses amounted to \$1256, or 12.1¢ a mile, for the average 10,362 miles travelled, the new Hertz study notes. The 1984 \$2814, or 32.78¢ a mile for the typical 8,586 miles driven last year, is 124% higher;
...total 1984 new car purchases of 10.1 million aggregated \$97.8 billion last year, \$9669 per auto, up from \$9169, or \$81.9 billion, for 8.9 million in 1983, the second straight 19% yearly advance;
...this latest \$490, 5.3% sticker surge, is 184% over the \$3404 average purchase price for a typical 1972 model;
...for comparably-equipped "intermediate" sized units, purchase price increases — from \$3425 to \$10,103 — totalled 195%! (Too, intermediates today are nearly 800 pounds lighter and a 1 1/4 foot shorter than 12 years ago."
... on comparably-sized, comparably-driven intermediates the '72-84 rise was from \$1240 to \$3827 —209%.

(more)

Car Costs Categorized

For the estimated 125.7 million cars on the road, total 1984 depreciation amounted to \$59.2 billion — \$471 a car—up 8.2% from \$54.7 billion — \$439 per auto — for 124.5 million units in service in '83.

In compiling total motor vehicle outlays, Hertz' yearly vehicle spending studies calculate vehicle depreciation rather than purchase price since depreciation expense continues even if a new car is not acquired. (Depreciation —the difference between a car's purchase and selling prices — usually is higher in early years. But in 1984 it rose despite older cars because prices climbed at double-digit rates most of the past dozen years.)

Interest, Fuel Down

Total 1984 passenger car fuel cost was down some \$200 million to \$79.9 billion from \$80.1 billion, a \$23 or 3.6% per unit drop from \$643 to \$620 — from 7.73¢ a mile to 7.22¢, mainly because of a 7.3¢ per-gallon decline in gasoline prices to \$1.129. With the average 269-mile travel increase last year, estimated per-car fuel consumption climbed 14 gallons to 549 despite a 1/10th mile-per-gallon fuel efficiency improvement,

Interest costs also fell — from \$347 a year or 4.17¢ a mile in '83 to \$291 or 3.39¢ in '84, dropping aggregate outlays 15.4% to \$36.6 billion from \$43.2 billion.

Repair, Insurance, Fees Up

On the other hand, the nation's older, higher-mileage car fleet contributed to a 10.1% rise in maintenance, repairs and miscellaneous outlays. These climbed to \$844 per auto or 9.83¢ a mile in 1984 from \$774 or 9.31¢ in '83. The 1983 total came to \$96.4 billion vs. \$106.1 billion in 1984.

The classification insurance, licenses and fees totalled \$74 billion, \$589 a unit, or 6.9¢ a mile. This annual outlay was up 9.6% from 1983's total of \$67.5 billion, \$542 a car or 6.52¢ a mile.

(more)

Spending Down Vs. GNP, Personal Income

For trucks, 1984's total was \$351.5 billion, 5.8% above \$332.8 billion the year before. Per-unit truck expenses advanced 4.3% to \$9104 in '84 from \$8726 in '83. As a result of a mileage hike from 11,092 to 11,559, per-mile costs remained about even — 78.76¢ in '84 vs. 78.67¢ in '83.

The 1984 \$705.4 billion in total outlays for both cars and trucks vehicles came to 20.03% of the nation's gross national product, against 21.3% in '83 and 21.5% in '82. Passenger-car-only spending amounted to 11.8% of '84 personal income against 12.7% in '83, 13.8% in '82 and a 14.8% high in 1980.

The aggregate increase in 1984's motor vehicle spending also reflects the fact that the number of cars rose 1% from an estimated 124.5 million in 1983 to 125.7 million in 1984, while trucks climbed from 38.1 million units to 38.6 million. (The nation's projected population was up 1.7% from an estimated 232.2 million to 236.2 million.)

Driving Less Saves

The Hertz cost estimates stress per-unit annual dollar costs because differing yearly mileage by motorists can alter per-mile expenses sharply, notes Hertz Executive V.P. Craig R. Koch.

For such annual fixed or "standing" outlays as licenses, fees, insurance and interest charges, driving fewer miles each year raises per-mile outlays. But this usually lengthens car life — plus saves fuel, oil, tire, battery and repair charges, lowering the key yearly overall dollar cost.

At equal annual 8,586 mileages, for example, a compact-sized 1984 model bought new and kept just one year would cost \$5130, according to the lease-rental company's report, or 59.75¢ a mile. For only 5,000 miles of yearly driving, however, per-mile expense rises to 96.58¢, but annual costs then add up to just \$4829. At 20,000 annual miles, though, per-mile costs drop to 32.38¢, but dollar spending climbs to \$6476.

(more)

Keeping the same car 10 years, rather than just one, reduces both annual dollars outlays and per-mile expenses. At the typical 8,685 miles a year driving, per-mile costs shrink to 38.32¢ a mile from the 59.75¢ annual trading costs; and, yearly outlays fall from \$5130 to \$3290, 36% savings.

In spite of travel increases the past two years, overall car mileage is down 17% since the 1972 high of 10,362 per year. However, in these prior 12 years, the country's 28.9 million population growth spurred a 28.7 million rise in the number of cars on the road — producing an aggregate advance in passenger car mileage of 7.7%.

Per-unit truck mileage is now 5.8% under its record 12,269 miles in 1972, but a 17 million (79%) surge in trucks in service to 1984's 38.6 million units brought overall commercial-vehicle mileage up 68% to 446 billion for a 20% rise in TOTAL vehicle miles to 1.526 trillion in the past dozen years. Car and truck mileage for 1983 came to 1.459 trillion.

Changes Since 1950 Are Marked

In 1950, according to Hertz' data, motorists spent just \$40.6 billion to run 49.2 million cars and trucks 458 billion miles, with auto costs then \$724 or 8¢ a mile for 9,032 miles averaged then. By 1972, expenditures were \$187 billion for 118.5 million units logging 1.268 trillion miles.

In the 34-year period from 1950 to 1984, auto interest expenses were up 471% from \$51. Sticker prices rose 600% from \$1612. Maintenance, repairs and miscellaneous expenses are ahead 322% from \$200 a year. Fuel costs climbed 271% from \$167. Insurance, licenses and fees went up 306% from \$145

Highway fuel consumption in 1950 totalled just 35.5 billion gallons, 25.2 billion for cars, 10.3 billion for trucks. Per-car thirst was 626 gallons for that year's average 9,032 miles run. But, per-person, passenger car fuel use then was just 168 gallons, versus 337 in '72 and 292 last year.

Motor vehicle fuel use apparently peaked in 1978 at 116 billion gallons — 772 per vehicle, 654 per car, the Hertz study noted.

(more)

Hertz and its worldwide system members have fleets totalling some 400,000 vehicles. The estimates in the company's annual studies are based on its experience, on its nationwide sample polls, plus projections using public and industry registration and mileage statistics.

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VEHICLE OPERATING COSTS & FUEL USAGE KEY YEAR SUMMARIES Table IA 7/85

Years Descriptions	Vehicles	1950			1972*		
		Cars	Trucks	Total	Cars	Trucks	Total
Overall Operating Costs (B\$)		29.2	11.4	40.6	121.6	65.4	187.0
-Per Unit (\$)		724	1294	825	1256	3029	1579
-Per Mile (c)		0.0800	0.1211	0.0884	0.1210	0.2469	0.1473
-Per Capita (\$)		194	76	269	586	315	901
Depreciation Cost-Total (B\$)		6.5	3.2	9.7	33.0	19.6	52.6
-Per Unit (\$)		163	363	197	341	907	444
-Per Mile (c)		0.0178	0.0340	0.0211	0.0329	0.0740	0.0414
-Per Capita (\$)		43	21	64	159	94	253
Fuel Cost Total (E\$)		6.8	2.8	9.5	25.3	10.6	35.9
-Per Unit (\$)		167	318	193	261	491	303
-Per Mile (c)		0.0185	0.0298	0.0207	0.0252	0.0400	0.0283
-Per Capita (\$)		45	19	63	122	51	173
Other Costs Total (E\$)		15.9	5.4	21.4	63.3	35.2	98.5
-Per Unit (\$)		395	614	435	654	1630	831
-Per Mile (c)		0.0437	0.0574	0.0466	0.0631	0.1328	0.0776
-Per Unit Analysis (\$)							
(Lic., Fees, Ins.)		145	261	165	248	617	315
(Interest)		51	92	58	111	283	142
(Repairs, Misc.)		200	261	212	296	728	374
New Veh. Purch.Pr.-Tot.(B\$)		10.2	2.0	12.2	35.4	11.4	46.8
-Per Unit (\$)		1612	1846	1627	3404	4542	3628
New Vehs.Registered (Mils.)		6.3	1.1	7.5	10.4	2.5	12.9
Tot. Vehs. On Road (Mils.)		40.3	8.8	49.2	96.8	21.6	118.5
Miles Traveled Per Vehicle		9032	10682	9328	10362	12269	10718
Tot.Veh.Miles Trvld.(Bils.)		364	94	458	1003	265	1268
Veh.Miles Trvld. Per Capita		2415	624	3039	4834	1277	6111
Fuel Used Tot.(Bil.of Gals.)		25.2	10.3	35.5	70.0	29.5	99.5
Fuel Used Per Veh. (Gals.)		626	1170	722	722	1365	840
Fuel Used Per Capita (Gals.)		168	68	236	337	143	480
Fuel Avg. MPG Per Unit		14.4	9.1	12.9	14.3	9.0	12.9
Fuel Cost Per Gallon (\$)				0.268			0.361
Personal Income Total (B\$)				227.6			939.1
Gross National Product (B\$)				286.2			1171.1
Consumer Price Index				72.1			125.3
Population Estimate (Mils.)				150.7			207.5

* Last Full Year Before
First Arab Oil Embargo

(slight variations owing to rounding)

VEHICLE OPERATING COSTS & FUEL USAGE KEY YEAR SUMMARIES Table IE 7/85

Years Descriptions	1980			1981		
	Cars	Trucks	Total	Cars	Trucks	Total
Overall Operating Costs (E\$)	317.0	284.8	601.8	340.4	302.1	642.5
-Per Unit (\$)	2631	8067	3863	2790	8368	4064
-Per Mile (c)	0.3109	0.7377	0.4370	0.3453	0.7889	0.4693
-Per Capita (\$)	1400	1257	2657	1486	1319	2804
Depreciation Cost-Total (E\$)	75.4	66.0	141.4	73.7	65.3	139.0
-Per Unit (\$)	626	1870	908	604	1810	879
-Per Mile (c)	0.0761	0.1710	0.1027	0.0747	0.1706	0.1015
-Per Capita (\$)	333	291	624	322	285	607
Fuel Cost Total (E\$)	85.5	47.4	132.9	89.3	51.5	140.8
-Per Unit (\$)	710	1342	853	732	1427	891
-Per Mile (c)	0.0863	0.1227	0.0965	0.0906	0.1345	0.1028
-Per Capita (\$)	377	209	587	390	225	615
Other Costs Total (E\$)	156.2	171.4	327.6	177.4	185.3	362.7
-Per Unit (\$)	1296	4855	2103	1454	5133	2294
-Per Mile (c)	0.1576	0.4440	0.2379	0.1799	0.4838	0.2649
-Per Unit Analysis (\$)						
(Lic., Fees, Ins.)	484	1998	827	512	2033	857
(Interest)	291	1009	454	349	1159	534
(Repairs, Misc.)	521	1848	822	593	1951	903
New Veh. Purch.Pr.-Tot.(E\$)	58.3	25.3	83.6	67.3	25.6	92.9
-Per Unit (\$)	6649	10200	7435	7967	11725	8739
New Vehs.Registered (Mils.)	8.8	2.5	11.2	8.4	2.2	10.6
Tot. Vehs. On Road (Mils.)	120.5	35.3	155.8	122.0	36.1	158.1
Miles Traveled Per Vehicle	8224	10935	8838	8081	10609	8659
Tot.Veh.Miles Trvld.(Bils.)	991	386	1377	986	383	1369
Veh.Miles Trvld. Per Capita	4375	1704	6079	4304	1672	5976
Fuel Used Tot.(Bil.of Gals.)	68.3	40.1	108.4	66.6	39.1	105.7
Fuel Used Per Veh. (Gals.)	567	1136	696	546	1083	669
Fuel Used Per Capita (Gals.)	302	177	479	391	171	461
Fuel Avg. MPG Per Unit	14.5	9.6	12.7	14.8	9.8	13.0
Fuel Cost Per Gallon (\$)			1.226			1.332
Personal Income Total (E\$)			2143.0			2378.0
Gross National Product (E\$)			2601.0			2844.0
Consumer Price Index			236.4			259.6
Population Estimate (Mils.)			226.5			229.1

slight variations owing to rounding)

VEHICLE OPERATING COSTS & FUEL USE KEY YEAR SUMMARIES Table IC 7/85

Years Vehicles Descriptions	1983			1984		
	Cars	Trucks	Total	Cars	Trucks	Total
Overall Operating Costs (B\$)	341.8	332.8	674.7	353.9	351.5	705.4
-Per Unit (\$)	2745	8726	4147	2814	9104	4292
-Per Mile (c)	0.3300	0.7867	0.4624	0.3278	0.7876	0.4623
-Per Capita (\$)	1472	1433	2905	1498	1489	2987
Depreciation Cost-Total (B\$)	54.7	58.0	112.7	59.2	63.0	122.2
-Per Unit (\$)	439	1520	693	471	1632	744
-Per Mile (c)	0.0528	0.1370	0.0772	0.0549	0.1412	0.0801
-Per Capita (\$)	248	250	485	251	267	518
Fuel Cost Total (B\$)	80.1	49.9	129.9	77.9	49.1	127.0
-Per Unit (\$)	643	1308	799	620	1271	773
-Per Mile (c)	0.0773	0.1179	0.0891	0.0722	0.1100	0.0832
-Per Capita (\$)	345	215	560	330	208	538
Other Costs Total (B\$)	207.1	225.0	422.9	216.7	239.4	456.1
-Per Unit (\$)	1663	5898	2655	1723	6201	2775
-Per Mile (c)	0.2000	0.5317	0.2961	0.2007	0.5365	0.2989
-Per Unit Analysis (\$)						
(Lic., Fees, Ins.)	542	2237	939	589	2439	1023
(Interest)	347	1070	516	291	900	434
(Repairs, Misc.)	774	2591	1200	844	2862	1318
New Veh. Purch.Pr.-Tot.(B\$)	81.9	42.5	124.4	97.8	62.1	159.9
-Per Unit (\$)	9179	14273	10453	9669	15343	11290
New Vehs.Registered (Mils.)	8.9	3.0	11.9	10.1	4.0	14.2
Tot. Vehs. On Road (Mils.)	124.5	38.1	162.7	125.7	38.6	164.4
Miles Traveled Per Vehicle	8317	11092	8967	8586	11559	9284
Tot.Veh.Miles Trvld.(Bils.)	1036	423	1459	1080	446	1526
Veh.Miles Trvld. Per Capita	4460	1822	6282	4571	1890	6461
Fuel Used Tot.(Bil.of Gals.)	66.6	41.6	108.2	69.0	43.7	112.7
Fuel Used Per Veh. (Gals.)	535	1092	665	549	1131	686
Fuel Used Per Capita (Gals.)	287	179	466	292	185	477
Fuel Avg. MPG Per Unit	15.6	10.2	13.5	15.6	10.2	13.5
Fuel Cost Per Gallon (\$)	1.202	1.198	1.200	1.129	1.124	1.127
Personal Income Total (B\$)			2689.0			3005.0
Gross National Product (B\$)			3171.0			3520.6
Consumer Price Index			296.1			310.7
Population Estimate (Mils.)			232.2			236.2

* Last Full Year Before
First Arab Oil Embargo

Table II Hertz Estimates 7/85
 AVERAGE MOTOR VEHICLE OWNERSHIP & OPERATING EXPENSES BY YEARS
 (figures are for both units bought new and those bought used)

YEAR	Passenger Cars					Trucks				
	\$ Per Unit	Miles Per Year	c Per Mile	Units On Road (Mls.)	Total Spent Bils.\$	\$ P Uni	Miles Per Year	c Per Mile	Units On Road (Mls.)	Total Spent Bils.\$
1950	724	9032	8.00	40.3	29.2	1924	10682	12.10	8.80	11.40
1960	933	9545	9.80	61.6	57.4	1995	10738	18.60	12.20	24.30
1970	1220	10090	12.10	89.3	108.9	2664	11518	23.10	19.10	50.90
1971	1220	10280	11.90	92.8	113.2	2755	11485	24.00	20.20	55.70
1972	1256	10362	12.10	96.8	121.6	3029	12269	24.70	21.60	65.40
1973	1288	9597	13.40	101.8	131.1	3112	10970	28.40	23.70	73.80
1974	1493	8732	17.10	104.9	156.6	4127	10960	37.70	25.00	103.20
1975	1682	8901	18.90	107.4	180.6	4074	10227	39.80	26.40	107.60
1976	1812	9015	20.10	109.7	198.8	4594	10942	42.00	27.60	126.10
1977	1913	9199	20.80	114.1	218.4	5310	11379	46.70	29.70	157.70
1978	2092	9165	22.80	118.6	248.1	6176	11428	54.00	31.50	194.50
1979	2352	8850	26.60	119.1	280.1	6978	10943	63.80	33.90	236.60
1980	2631	8224	32.00	120.5	317.0	8087	10935	73.80	35.30	284.80
1981	2790	8081	34.50	122.0	340.4	8368	10609	78.90	36.10	302.10
1982	2847	8037	35.40	123.2	350.7	8500	10760	79.00	37.00	314.40
1983	2744	8317	33.00	124.5	341.8	8726	11092	78.67	38.10	332.80
1984	2814	8586	32.78	125.7	353.9	9104	11559	78.76	38.60	351.50

Total Both Cars & Trucks

	\$ Per Unit	Miles Per Year	c Per Mile	Units On Road (Mls.)	Total Spent Bils.\$
1950	825	9328	8.80	49.2	40.6
1960	1107	9742	11.40	73.8	81.7
1970	1475	10341	14.30	108.4	159.8
1971	1495	10496	14.20	113.0	168.9
1972	1579	10718	14.70	118.5	187.0
1973	1632	9857	16.60	125.4	204.8
1974	2000	9160	21.80	129.9	259.8
1975	2157	9170	23.50	133.7	288.2
1976	2366	9403	25.20	137.3	324.9
1977	2615	9649	27.10	143.8	376.1
1978	2949	9640	30.70	150.1	442.6
1979	3377	9314	36.30	153.0	516.7
1980	3863	8838	43.70	155.8	601.8
1981	4064	8659	46.90	158.1	642.5
1982	4152	8666	47.90	160.2	665.1
1983	4147	8967	46.24	162.7	674.6
1984	4292	9284	46.23	164.4	705.4

Passenger Car Changes	Since 1972
PERCENTAGES	
Miles A Year	Cents A Mile
MINUS	PLUS
0.07	0.11
0.16	0.41
0.14	0.56
0.13	0.66
0.11	0.72
0.12	0.88
0.15	1.20
0.21	1.64
0.22	1.85
0.22	1.93
0.20	1.73
0.17	1.71

(slight variations owing to rounding)

Table III MILEAGE TRAVELLED & FUEL USED BY PURPOSE & VEHICLE TYPE

Hertz Estimates

7/85

NON-PLEASURE TRAVEL ————— PASSENGER CAR —————
 <...TRUCK...> <.....> <.....>

YEAR	/Business Travel/		/Essential/ /Family Use/		/+Commutation/		//Pleasure Usage/	
	Miles (Bls.)	Fuel Use (Els. Gals.)	Miles (Bls.)	Fuel Use (Els. Gals.)	Miles (Bls.)	Fuel Use (Els. Gals.)	Miles (Bls.)	Fuel Use (Els. Gals.)
1950	94.0	10.30	62.3	14.33	207.0	14.38	102.0	7.06
1960	131.0	16.70	100.6	7.03	334.0	23.36	170.0	11.87
1970	220.0	26.50	159.8	11.66	508.0	37.08	268.0	19.53
1971	232.0	28.00	164.6	12.01	549.0	40.07	287.0	20.98
1972	265.0	29.50	167.0	11.68	573.0	40.07	303.0	21.20
1973	260.0	30.40	157.4	12.11	561.0	43.15	297.0	22.88
1974	274.0	29.90	143.9	11.51	529.0	42.32	281.0	22.46
1975	270.0	29.70	148.2	11.31	553.0	42.21	294.0	22.42
1976	302.0	33.10	154.7	10.67	572.0	43.01	303.0	22.82
1977	338.0	36.70	161.1	10.39	630.0	45.99	323.0	23.58
1978	360.0	38.30	171.1	10.06	652.0	46.57	334.0	23.89
1979	371.0	38.60	166.7	9.26	658.0	45.89	324.0	22.70
1980	386.0	40.10	152.5	8.03	637.0	44.44	315.0	21.94
1981	383.0	39.10	150.9	7.82	636.0	43.47	314.0	21.42
1982	398.0	40.40	151.7	7.40	639.0	43.32	316.0	21.41
1983	423.1	41.64	191.4	8.95	582.1	38.50	360.2	23.82
1984	446.3	43.67	196.9	8.88	597.5	39.71	362.9	23.69

SUB-TOTAL
CARS
Miles Fuel
(Mls.) Use
(Bls.Gls.)

SUB-TOTAL
NON-PLEASURE
(CAR & TRUCK)
Miles Fuel
(Bls.) Use
(Els.Gls.)

GRAND TOTAL
CARS & TRUCKS
Miles Fuel
(Els.) Use
(Bls.Gls.)

1950	364.3	35.20	363.3	39.01	458.3	45.50
1960	587.6	41.20	565.6	47.09	718.6	57.90
1970	900.8	65.80	887.8	75.24	1120.8	92.30
1971	954.6	69.50	945.6	80.08	1186.6	97.50
1972	1003.0	70.00	1005.0	81.25	1268.0	99.50
1973	977.4	74.90	978.4	85.66	1237.4	105.30
1974	916.9	73.30	946.9	83.73	1190.9	103.20
1975	955.2	73.20	971.2	83.22	1225.2	102.90
1976	988.7	74.40	1028.7	86.78	1290.7	107.50
1977	1049.1	76.60	1129.1	93.08	1387.1	113.30
1978	1087.1	77.60	1183.1	94.93	1447.1	115.90
1979	1053.7	73.20	1195.7	93.75	1424.7	111.80
1980	990.5	68.30	1175.5	92.57	1376.5	108.40
1981	985.9	66.60	1169.9	90.39	1368.9	105.70
1982	988.7	65.82	1188.7	91.12	1386.7	106.22
1983	1035.7	66.66	1196.6	89.09	1458.8	108.30
1984	1079.6	69.03	1240.7	92.25	1525.9	112.70

HERTZ ESTIMATES OF 1984 NEW CAR OWNERSHIP & OPERATING COSTS
 TABLE 4A (MV) ***** Revised 7/85
 <---SUB-COMPACT---> <---'COMPACT'-----> INTER-MEDIATE STAN-
 LARD

Years Use	<---At CONSTANT Annual Mileages--->						
	10000	5000	8586 *****	10000	20000	10000	10000
1	0.4214	0.9658	0.5975	0.5369	0.3238	0.5899	0.7138
2	0.4074	0.9203	0.5760	0.5155	0.3144	0.5666	0.6819
3	0.3889	0.8630	0.5500	0.4893	0.3051	0.5377	0.6446
4	0.3760	0.8284	0.5280	0.4709	0.2985	0.5174	0.6181
5	0.3663	0.7951	0.5112	0.4567	0.2928	0.5019	0.5977
6	0.3421	0.7266	0.4723	0.4237	No Data	0.4656	0.5524
7	0.3246	0.6732	0.4438	0.3996	Over	0.4382	0.5191
8	0.3101	0.6334	0.4192	0.3798	100,000	0.4174	0.4918
9	0.2977	0.5965	0.4002	0.3626	Miles	0.3985	0.4682
10	0.2872	0.5676	0.3832	0.3842	—	0.3827	0.4483

HISTORICAL COMPARISONS OF NEW 'INTERMEDIATE' SIZE CAR COSTS

Year	Estimated Varying Mileage Averages Yearly				Constant		3-Yr. Use €
	3-Year	3-Year	10-Year	10-Year	10000	Miles	10000 MPY
	Average Use Cost		Average Use Cost		A Yr. Average:		CONSTANT
	Annual	Cents-	Annual	Cents-	3-Yr.	10-Yr.	(1984) \$
	Mileage	Per-Mile	Mileage	Per-Mile	Use**	Use	
1925E	5835	0.1690	Not Available		0.1150	N/A	0.6806
1950	12771	0.0930	9032	0.0800	0.1090	0.0770	0.4696
1960	13497	0.1220	9545	0.0980	0.1440	0.0950	0.5044
1970	14267	0.1470	10090	0.1210	0.1900	0.1220	0.5076
1971	14567	0.1430	10280	0.1190	0.1870	0.1210	0.4790
1972	14652	0.1510	10362	0.1210	0.1970	0.1240	0.4885
1973	13570	0.1620	9597	0.1340	0.2020	0.1310	0.4715
1974	12300	0.2070	8732	0.1710	0.2360	0.1590	0.5007
1975	12561	0.2320	8901	0.1690	0.2720	0.1770	0.5589
1976	11885	0.2480	9015	0.2010	0.2810	0.1790	0.5127
1977	12127	0.2620	9199	0.2080	0.3010	0.2000	0.5153
1978	12082	0.2910	9165	0.2310	0.3310	0.2200	0.5266
1979	11666	0.3400	8850	0.2870	0.3800	0.2640	0.5436
1980	10841	0.4150	8224	0.3450	0.4400	0.3100	0.5783
1981	10652	0.4860	8081	0.4080	0.5090	0.3590	0.6092
1982	10594	0.5168	8037	0.4370	0.5400	0.3831	0.5844
1983	10963	0.4986	8317	0.4345	0.5338	0.3810	0.5601
1984 Rev.	11318	0.4887	8586	0.4208	0.5377	0.3827	0.5377

TABLE 4B (MV)

The Hertz Corp.
7/85HERTZ ESTIMATES OF 1984 MODEL NEW
PASSENGER CAR OWNERSHIP & OPERATING COSTS

<-----'COMPACT' MODEL----->					
AVERAGES			8,586	AVERAGES	
At CONSTANT			At DECLINING	Annual	
Years	<- 8686 M.P.Y.->		<-Miles AVERAGING 8586-->		
Used			Over 10-Yr.Period		
	¢.P.M.	\$ P.Y.	M.P.Y.	¢.P.M.	\$ P.Y.
1	0.5975	5,130.14	13,060	0.4336	5,662.82
2	0.5760	4,945.54	12,073	0.4447	5,368.86
3	0.5500	4,722.30	11,318	0.4447	5,033.11
4	0.5280	4,533.41	10,598	0.4504	4,773.34
5	0.5112	4,389.16	10,156	0.4514	4,584.42
6	0.4723	4,055.17	9,859	0.4257	4,196.98
7	0.4438	3,810.47	9,618	0.4083	3,927.03
8	0.4192	3,599.25	9,352	0.3966	3,709.00
9	0.4002	3,436.12	9,032	0.3875	3,499.90
10	0.3832	3,290.41	8,586	0.3832	3,290.41

NOTE: Above Costs Are AVERAGES For Varying Use/Mileage Periods;
those below are for each INDIVIDUAL year.

CURRENT 1984 DATA 'COMPACT' CAR EXPENSES

YEARLY Costs & Mileages for Various Ownership Periods (Not AVERAGES for ALL Years As Listed Above.)						
Year of Use	AVERAGES		8,586	AVERAGES		
	At CONSTANT		At Listed	DECLINING		
	8586 YEARLY		YEARLY Mileages			
	Mileages		AVERAGING 8586 M.P.Y.			
	¢.P.M.	\$ P.Y.	M.P.Y.	¢.P.M.	\$ P.Y.	
1	0.5975	5,130.14	13,060	0.4336	5,662.82	
2	0.5545	4,760.94	11,086	0.4578	5,075.39	
3	0.4979	4,274.97	9,806	0.4446	4,359.94	
4	0.4623	3,969.31	8,439	0.4735	3,996.04	
5	0.4438	3,810.47	8,389	0.4566	3,830.59	
6	0.2781	2,387.77	8,372	0.2694	2,255.50	
7	0.2725	2,339.69	8,175	0.2829	2,312.79	
8	0.2468	2,119.02	7,488	0.2915	2,182.83	
9	0.2483	2,131.90	6,472	0.2812	1,819.99	
10	0.2306	1,979.93	4,572	0.3080	1,408.22	
Tot.	0.3832	3,290.41	8,586	0.3832	3,290.41	

Slight variations owing to rounding.